

Available steps table

Overview

FLUX provides three types of scripts, each with specific available steps for workflow automation. This page details all available steps and their properties for each script type.

Management Script Steps

The `management_script` supports the following steps:

Set Value in Objects

Stores different types of values in one of three available objects using a typed key.

Properties:

Property Name	Type	Label	Options
dictionary name	str	Object Name	Results, Context, Settings
key name	str	Name of key	—
value type	—	Type of value	str, number, none, expression
value	—	—	—

Set SSH Key Pair in Context

Retrieves an SSH key pair and stores it in one of the defined objects using a custom key.

Properties:

Property Name	Type	Label	Options
privKeyKey	—	—	—
pubKeyKey	—	—	—

Set Last Configuration

Retrieves the element's last configuration and stores it in one of the available objects using a custom key.

Properties:

Property Name	Type	Label	Options
dictionary name	str	—	Results, Context, Settings
key name	str	—	—

Processing Script Steps

The `processing_script` supports the following steps:

Set Value in Objects

Stores different types of values in one of three available objects using a typed key.

Properties:

Property Name	Type	Label	Options
dictionary name	str	Object Name	Results, Context, Settings
key name	str	Name of key	—
value type	—	Type of value	str, number, none, expression
value	—	—	—

Set Last Configuration

Retrieves the element's last configuration and stores it in one of the available objects using a custom key.

Properties:

Property Name	Type	Label	Options
dictionary name	—	—	—

Property Name	Type	Label	Options
key name	—	—	—

Set Variable on Element Config

Sets an attribute in the element configuration object.

Properties:

Property Name	Type	Label	Options
key name	—	—	—
value type	—	—	—
value	—	—	—

If Condition Simple for Numbers

Checks a simple condition with a numeric variable. Examples: `if a=b`, `if a >= b`, `if a < 12`

Properties:

Property Name	Type	Label	Options
variable to evaluate	—	—	—
operator	—	—	—
value	—	—	—

If Condition Simple for Strings

Checks a simple condition with a string variable. Examples: `if a.startswith('device_')`, `if a in b`, `if s.endswith(':')`

Properties:

Property Name	Type	Label	Options
variable to evaluate	—	—	—
operator	—	—	—
value	—	—	—

If Condition Advanced

Evaluates Python conditions. Examples: `if context['host'] == "0.0.0.0"`, `if not data.get('apt_upgradable.table')`

Properties:

Property Name	Type	Label	Options
condition	—	—	—

Pause

Executes a `time.sleep(time)` operation.

Properties:

Property Name	Type	Label	Options
time	—	—	—

Pause with Log

Executes a sleep operation with logging.

Properties:

Property Name	Type	Label	Options
time	—	—	—

Update Element Credentials

Reads SSH credentials from context and updates them in the element.

Properties:

Property Name	Type	Label	Options
privKeyKey	—	—	—
pubKeyKey	—	—	—

Wait for Connect

Waits for a specified time until the connection against the element executes correctly.

Properties:

Property Name	Type	Label	Options
timeout	—	—	—
retry	—	—	—
sleep	—	—	—

Set Variable Value

Note: To be documented.

Properties:

Property Name	Type	Label	Options
variable_name	—	—	—
value_type	—	—	—
value	—	—	—

Execution Script Steps

The Flow `execution_script` includes all steps from the Processing Script, plus the following additional steps:

Filter Flow Elements

Applies a function to filter the given elements, with support for in-place modification or returning a new list.

Properties:

Property Name	Type	Label	Options
elements	list	List of elements	elements, ...
filter_function	function	Function to filter elements	—
inplace	bool	Replace or return	True, False

Task Execution

Runs a specific task on given elements. If the flow containing the task is serial, the elements parameter is not required.

Properties:

Property Name	Type	Label	Options
short_name	str	Task short name	—
elements	list	List of elements to run the task	elements, ...
retry_attempts	int	Retry attempts	—
retry_delay	int	Retry delay	—

Flow Execution

Runs a specific flow on given elements.

Properties:

Property Name	Type	Label	Options
short_name	str	Flow short name	—
elements	list	List of elements to run the flow	elements, ...
retry_attempts	int	Retry attempts	—
retry_delay	int	Retry delay	—

Revision #1

Created 2026-02-13 23:10:36 UTC by ipena@zequenze.com

Updated 2026-03-05 22:30:35 UTC by ipena@zequenze.com